

PATENT ABSTRACTS OF JAPAN

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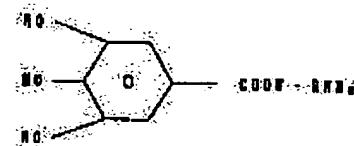
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(54) REVERSIBLE THERMOSENSITIVE RECORDING MEDIUM

(57)Abstract:

PURPOSE: To chemically carry out a color development and discharging only under thermal energy control by using a color developer/subtracter consisting of salts of gallic acid and higher aliphatic amine expressed by a special formula.

CONSTITUTION: A recording medium consists of a recording layer based on a leuco compound and a color developer/subtracter which develops or subtracts colors by thermal reaction with the leuco compound, and a binder. The color developer/subtracter is salts of gallic acid and aliphatic amine expressed by formula (R is an alkyl group with eight or more carbons). More clearly, the binder is allowed to be dissolved in a coating liquid dispersed uniformly in water or an organic solvent. In addition, thickener or white pigment as liquid quality improver is added to this solution to prepare a recording layer coating liquid. This liquid is applied to a support such as paper, plastic film or sheet, and then dried to provide a recording layer.



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